

Title (en)  
Control apparatus

Title (de)  
Steuervorrichtung

Title (fr)  
Appareil de commande

Publication  
**EP 2012206 B1 20140514 (EN)**

Application  
**EP 08011541 A 20080625**

Priority  
JP 2007174296 A 20070702

Abstract (en)  
[origin: EP2012206A2] A control apparatus comprising a control unit outputting a control signal controlling a servo motor and suppressing natural vibration of a controlled object including a motor and a machine driven by the motor while controlling the controlled object, comprising a frequency analysis unit analyzing a frequency component included in a torque command, an analysis control unit controlling the start or stopping of the frequency analysis unit, a detection unit detecting a natural frequency of the controlled object from an analysis result of the frequency analysis unit, a band rejection filter receiving as input the torque command, stripping the command of the natural frequency component, and outputting the resultant command to the motor through a current control unit and servo amplifier, and a filter characteristic setting unit setting the frequency to be stripped at the filter based on the natural frequency detected by the detection unit.

IPC 8 full level  
**G05B 19/416** (2006.01); **G05D 19/02** (2006.01); **H02P 29/00** (2016.01)

CPC (source: EP US)  
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DE

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**EP 2012206 A2 20090107**; **EP 2012206 A3 20100623**; **EP 2012206 B1 20140514**; CN 101339438 A 20090107; CN 101339438 B 20110202; JP 2009015448 A 20090122; JP 4238273 B2 20090318; US 2009009128 A1 20090108; US 7808199 B2 20101005

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